



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations I**

P O Box 33
Russell, KS 67665

ATTN: Allen Bangert

27-11s-19w Ellis KS

Vine #7

Start Date: 2001.02.01 @ 20:30:00

End Date: 2001.02.02 @ 01:50:00

Job Ticket #: 14305 DST #: 1

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net

Mai Oil Operations I

Vine #7

27-11s-19w Ellis KS

DST #: 1

Arbuckle

2001.02.01



DRILL STEM TEST REPORT

Mai Oil Operations I

Vine #7

P O Box 33
Russell, KS 67665

27-11s-19w Ellis KS

ATTN: Allen Bangert

Job Ticket: 14305 DST#: 1

Test Start: 2001.02.01 @ 20:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:05:22

Time Test Ended: 01:50:00

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3624.00 ft (KB) To 3636.00 ft (KB) (TVD)**

Total Depth: 3636.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2125.00 ft (KB)

2120.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **3289** Inside

Press@RunDepth: 391.39 psig @ 3625.01 ft (KB)

Start Date: 2001.02.01 End Date: 2001.02.02

Start Time: 20:30:54 End Time: 04:45:22

Capacity: 7000.00 psig

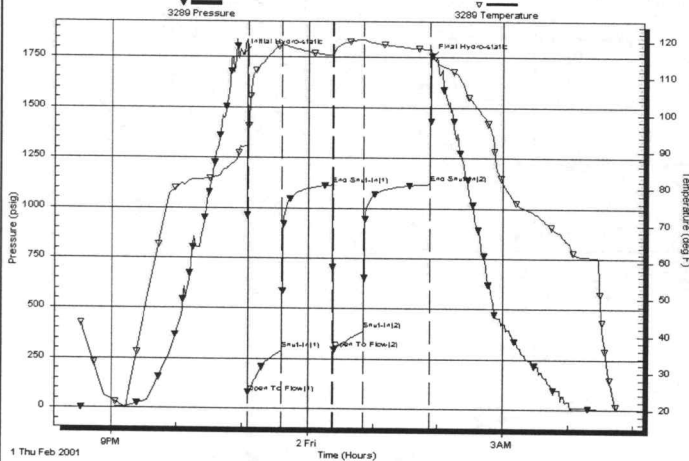
Last Calib.: 2001.02.02

Time On Btm: 2001.02.01 @ 23:00:52

Time Off Btm: 2001.02.02 @ 01:53:52

TEST COMMENT: times 30-45-30-60 IFP-w k to str in 4 min
FFP-w k to str in 20 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
150	1765.66	91.42	Initial Hydro-static
155	71.48	95.23	Open To Flow (1)
185	292.78	119.15	Shut-In(1)
231	1114.48	116.21	End Shut-In(1)
232	296.67	116.42	Open To Flow (2)
260	391.39	120.57	Shut-In(2)
322	1121.23	117.92	End Shut-In(2)
323	1746.20	117.81	Final Hydro-static

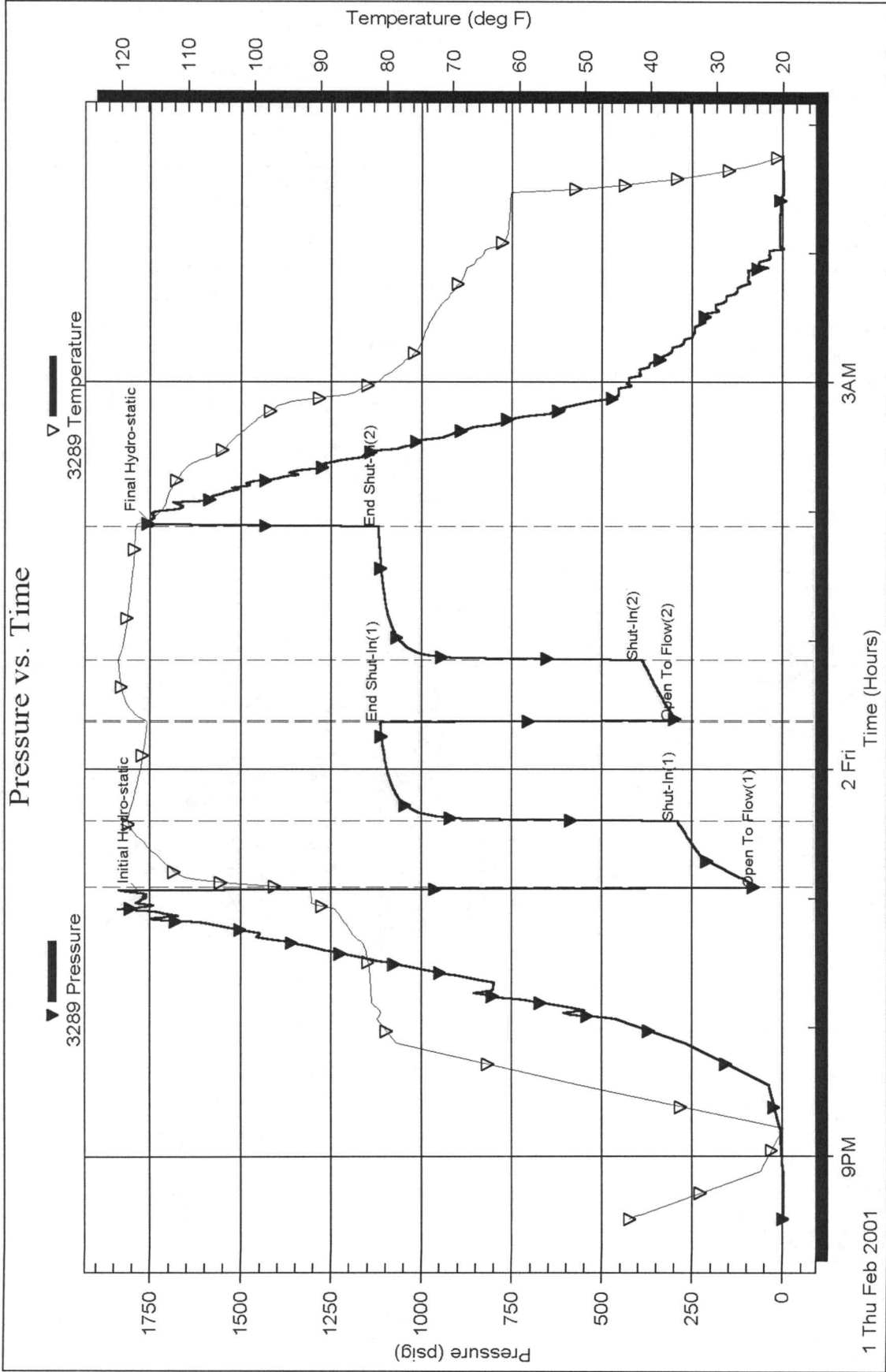
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GIP	0.30
330.00	Clean oil	1.62
60.00	GCWO 10%gas 70%oil 20%water	0.30
180.00	HO&GCMW 10%gas 25%oil 60%water 5%mud	2.25
300.00	SO&GCW 5%gas 4%oil 91%water	4.21

Gas Rates

Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)

Pressure vs. Time



CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 14305

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	60	100	60	0	0	0	0	0	0
PIPE 2	330	0	0	100	330	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
WEIGHT 1	0	0	0	0	0	0	0	0	0
PIPE 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
DRILL 1	60	10	6	70	42	20	12	0	0
COLLARS 2	180	10	18	25	45	60	108	5	9
3	300	5	15	4	12	91	273	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
TOTAL	930	0	99	0	429	0	393	0	9

BBL OIL= 5.17671 * HRS OPEN 1 = BBL/DAY 124.24104
 BBL WATER= 1.92177 * = 46.12248
 BBL MUD= 0.04401
 BBL GAS = 1.04391

